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Morbidity and Mortality Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

Prepared by the COMMUNICABLE DISEASE CENTER 634-5131

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED APRIL 18, 1964

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BRUCELLOSIS

Fifteen cases of brucellosis were reported for the week ended April 18, thus bringing to 120 the cumulative total for 1964. Iowa reported 12 cases this week; single cases were reported from Illinois, Kentucky, and North Dakota.

Of Iowa's 12 cases, 7 were delayed reports from the one county which annually reports the greatest number of that State's cases. Thus far in 1964, this county has accounted for 20 of Iowa's 39 cases of brucellosis. All of this county's cases were industrially acquired, from swine at a single packing house.

This year's 120 cases represent reports from 31 States. Iowa's 39 cases are the highest for any State and compare with the 69, 26, and 69 reported for comparable periods of 1963, 1962, and 1961, respectively. Iowa accounted for 40 percent of the Nation's 1963 total.

For the comparable period one year ago, 106 cases were reported throughout the United States. The annual total for the country has declined from the 6,321 cases reported in 1947 to the 381 cases reported last year.

Nationally, packing house workers comprise 50 percent of the patients with brucellosis, contrasted with 25 percent in 1958. Whereas swine were the source for about 10 percent of brucellosis 6 years ago, they accounted for about 40 percent in 1963. Most of the industrially acquired brucellosis is of swine origin.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

(Cumulative totals include revised and delayed reports through previous weeks)

Disease	16th Week Ended			Cumulative, First 16 Weeks		
	April 18, 1964	April 20, 1963	Median 1959 - 1963	1964	1963	Median 1959 - 1963
Aseptic meningitis	29	18	---	439	351	---
Brucellosis	15	13	11	120	106	167
Diphtheria	10	1	8	65	100	230
Encephalitis, primary infectious	38	28	---	514	412	---
Encephalitis, post-infectious	27		---	221		---
Hepatitis, infectious including serum hepatitis	825	845	845	14,566	16,334	16,334
Measles	29,671	17,460	17,630	196,961	195,705	201,668
Meningococcal infections	69	46	46	970	944	900
Poliomyelitis, Total	3	1	6	22	44	127
Paralytic	3	1	6	16	39	82
Nonparalytic	-	-	---	5	2	---
Unspecified	-	-	---	1	3	---
Streptococcal Sore Throat and Scarlet fever	10,452	7,408	---	172,981	154,383	---
Tetanus	5	5	---	60	55	---
Tularemia	2	3	---	78	61	---
Typhoid fever	8	7	10	103	113	152
Rabies in Animals	111	94	81	1,361	1,150	1,289

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Psittacosis:	13
Botulism:	6	Rabies in Man:	-
Leptospirosis: Pa.-1	7	Smallpox:	-
Malaria: N.J.-1, Ga.-1	29	Typhus-	
Plague:	-	Murine: Mo.-1	3
		Rky Mt. Spotted: Va.-1	7

EPIDEMIOLOGICAL REPORTS

PLAGUE – Arizona

A detailed clinical account is presented of the fatal case of plague reported on page 423 of Vol. 12 of the MMWR.

The victim was a 28-year-old, unmarried, Navajo sheep herder who lived 5 miles north of Houck, Arizona, which is located on U. S. Highway 66. On December 1, he drove his sheep to a pasture where they grazed through December 5.

On December 5, he experienced the abrupt onset of chills, headache, abdominal pains, green, watery diarrhea, and frequent expulsion of blood-tinged vomitus. He also complained of pain under his left arm. His symptoms persisted and he was driven to the Gallup, New Mexico, Indian Hospital, December 7.

At 11 a.m., he was seen in the out-patient department. His vital signs were: temperature 96.8°F., blood pressure 102/88, and pulse 130. Positive physical findings included subjective abdominal tenderness, moderate guarding without rebound, and decreased bowel sounds. The initial clinical impression was gastroenteritis, with the possibility of surgical abdomen.

On the surgical ward at 2:30 p.m., his vital signs were: temperature 98.8°F., blood pressure 80/60, pulse 146, and respirations 36. He was described as alert, restless, and dyspneic. He stated he had difficulty breathing; oxygen was administered. A large, painful, solitary node in the left axilla was noted on repeat physical examination. The overlying tissues were indurated without pitting or erythema. Repeat abdominal examination revealed increased guarding on the right.

His initial laboratory tests were: hemoglobin 16.6, hematocrit 50, white count 105,000, differential polymorphs 64, bands 22, lymphs 13, and monocytes 1. Numerous bacteria (5 per white blood cell) were noted on the peripheral blood smear. Gram stain of the peripheral blood revealed numerous pleomorphic gram negative rods. His chest X-ray was interpreted as normal, his abdominal film showed less than normal gas, an electrocardiogram showed sinus tachycardia, and his electrolytes were: CO_2 28.6, Na 134, Cl 87, and K 3.2.

At 3:45 p.m., his temperature rose to 104.6°F. It was learned at this time that he frequently killed rabbits for food; he reported having killed and torn apart cottontail rabbits for his dog 3 days prior to onset. Diagnosis of gram negative septicemia, probably *Pasteurella tularensis*, was made.

At 6 p.m., his temperature rose to 106.2°; his vital signs were: blood pressure 76/0, pulse 120, and respirations 40. Despite treatment with streptomycin and chloromycetin, he expired 8 hours after he was first seen in the out-patient department.

At post-mortem examination, the only skin lesions present were a scratch on the lateral aspect of the left arm and an abrasion of the right thumb. Positive autopsy findings included bilateral pleural effusions, heavily congested lungs, gray, frothy fluid within the trachea and bronchi, which had injected mucosa, submucosal gastric petechiae, and black, liquid stool in the rectum. Lymph nodes from the left axilla measured 2x2 centimeters and were hemorrhagic and necrotic.

Pre-mortem blood cultures and bone marrow revealed *Pasteurella pestis* and *pneumococcus* type VI. Post-mortem cultures of lymph node, liver, and spleen also demonstrated both organisms. A bone marrow smear was interpreted as demonstrating a leukemoid response.

Hospital and family contacts were treated prophylactically with streptomycin and sulfonamide.

No further cases have been suspect or diagnosed.

(Reported by Robert L. Brutsche, M.D., Medical Officer in Charge, Indian Health Hospital, Gallup, New Mexico; Dr. Lloyd M. Famer, Commissioner of Public Health, Arizona State Department of Health; and a team from the Communicable Disease Center).

Editor's Note: The co-existence of another organism with *P. pestis*, in this case *pneumococci* Type VI, is an interesting phenomena which has been observed in at least one previous case of plague and which may mask the diagnosis of plague. In 1961, when 3 cases of plague were reported, post-mortem bacteriologic studies in one of the 2 fatal cases revealed the presence of hemolytic *streptococcus* Group A in addition to *P. pestis*.

MUSHROOM POISONING – California

Two San Joaquin County children experienced muscarine poisoning within 3 hours after ingesting dried mushrooms. Between 2 and 3 hours after eating the dried mushrooms, which had been added to freshly opened tomato soup, a 16-year-old boy and his 3-year-old sister became acutely ill. They experienced vomiting, diarrhea, hematemesis, melena, abdominal cramps, fever, vasomotor flush, bradycardia, and hypotension. They were hospitalized and treated with atropine; both children recovered within 48 hours.

The suspect mushrooms were part of a larger noncommercial stock picked locally and used by the family during the past year without known ill effects.

A sample of remaining mushroom was described as a member of the *Boletus* genus; further identification was not possible because of the condition of the sample. Certain species of the *Boletus* genus have been incriminated in previous mushroom poisonings.

(Reported by Jack J. Williams, M.D., District Health Officer, and Philip A. Bcarg, M.D., Assistant District Health Officer, San Joaquin Local Health District, Stockton, California; Philip K. Condit, M.D., Chief, Bureau of Communicable Diseases, California State Department of Public Health).

SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS

MARCH 1964 - MARCH 1963

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Area March 1964 and March 1963 - Provisional

Reporting Area	March,		Cumulative Jan - Mar	
	1964	1963	1964	1963
NEW ENGLAND	43	28	125	97
Maine	1	1	1	2
New Hampshire	1	-	4	2
Vermont	1	1	1	1
Massachusetts	25	12	78	49
Rhode Island	1	2	5	5
Connecticut	14	12	36	38
MIDDLE ATLANTIC	517	526	1,398	1,501
Upstate New York	69	52	181	136
New York City	320	297	824	874
Pa. (Excl. Phila.)	12	13	35	36
Philadelphia	31	76	87	202
New Jersey	85	88	271	253
EAST NORTH CENTRAL	177	181	561	492
Ohio	30	33	137	97
Indiana	3	3	18	12
Downstate Illinois	7	12	33	31
Chicago	78	77	215	231
Michigan	53	49	144	105
Wisconsin	6	7	14	16
WEST NORTH CENTRAL	47	44	162	108
Minnesota	10	9	34	21
Iowa	2	4	8	7
Missouri	25	19	77	42
North Dakota	-	-	-	-
South Dakota	2	-	15	5
Nebraska	4	6	19	16
Kansas	4	6	9	17
SOUTH ATLANTIC	524	619	1,637	1,552
Delaware	6	2	27	15
Maryland	62	40	142	129
District of Columbia	36	72	131	187
Virginia	18	28	69	79
West Virginia	6	9	10	15
North Carolina	78	92	239	228
South Carolina	80	68	226	181
Georgia	94	108	279	263
Florida	144	200	514	455

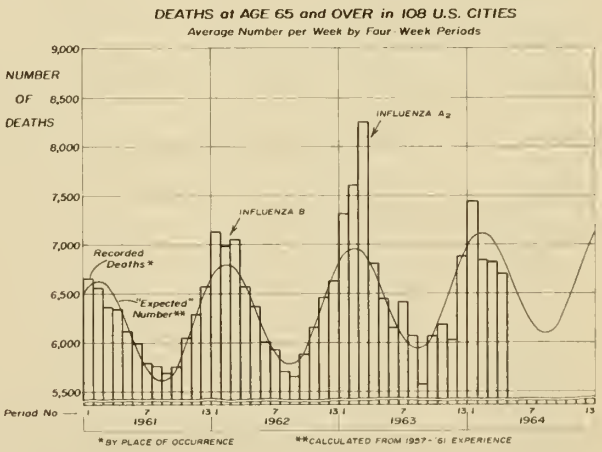
Reporting Area	March,		Cumulative Jan - Mar	
	1964	1963	1964	1963
EAST SOUTH CENTRAL	139	134	376	353
Kentucky	11	3	30	24
Tennessee	36	46	108	116
Alabama	74	53	194	153
Mississippi	18	32	44	60
WEST SOUTH CENTRAL	202	227	612	687
Arkansas	14	18	46	48
Louisiana	46	43	145	146
Oklahoma	18	13	35	50
Texas	124	153	386	443
MOUNTAIN	40	31	136	116
Montana	2	-	3	-
Idaho	-	-	4	-
Wyoming	1	-	6	2
Colorado	3	3	4	15
New Mexico	20	8	70	22
Arizona	12	14	37	54
Utah	-	4	4	8
Nevada	2	2	8	15
PACIFIC	181	172	630	524
Washington	1	12	12	42
Oregon	8	3	25	10
California	171	156	585	465
Alaska	-	-	3	2
Hawaii	1	1	5	5
U. S. TOTAL	1,870	1,962	5,637	5,430
TERRITORIES	63	70	196	178
Puerto Rico	62	69	191	174
Virgin Islands	1	1	5	4

Note: Cumulative Totals include revised and delayed reports through previous months.

SUMMARY OF DEATHS AMONG PERSONS 65 YEARS AND OVER IN 108 U.S. CITIES

The weekly average number of deaths among persons 65 years and over in 108 cities for the four-week period ending April 18 was 6,706 as compared with an expected weekly average of 6,914.

	Week Ending				4 Week Total	Weekly Average
	3/28	4/4	4/11	4/18		
Observed	6,476	6,952	6,836	6,560	26,824	6,706
Expected	6,991	6,943	6,890	6,831	27,655	6,914
Excess	-515	9	- 54	-271	- 831	-208



(See table, page 139)

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

APRIL 18, 1964 AND APRIL 20, 1963 (16th WEEK)

Area	Aseptic Meningitis		Encephalitis Primary	Encephalitis Post-Inf.	Poliomyelitis, Total Cases				Poliomyelitis, Paralytic			
							Cumulative				Cumulative	
	1964	1963	1964	1964	1964	1963	1964	1963	1964	1963	1964	1963
UNITED STATES...	29	18	38	27	3	1	22	44	3	1	16	39
NEW ENGLAND.....	1	1	2	-	-	-	-	-	-	-	-	-
Maine.....	-	1	-	-	-	-	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	-	-	-	-	-	-	-	-	-	-
Rhode Island.....	1	-	2	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	10	-	9	5	-	-	4	5	-	-	4	5
New York City.....	-	-	1	-	-	-	1	-	-	-	1	-
New York, Up-State.	2	-	1	1	-	-	2	4	-	-	2	4
New Jersey.....	6	-	5	-	-	-	1	-	-	-	1	-
Pennsylvania.....	2	-	2	4	-	-	-	1	-	-	-	1
EAST NORTH CENTRAL...	5	1	7	12	1	-	2	12	1	-	2	10
Ohio.....	-	1	2	1	1	-	1	4	1	-	1	3
Indiana.....	-	-	2	-	-	-	-	-	-	-	-	-
Illinois.....	3	-	-	9	-	-	1	6	-	-	1	5
Michigan.....	2	-	3	2	-	-	-	2	-	-	-	2
Wisconsin.....	-	-	-	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL...	2	2	8	-	-	-	-	1	-	-	-	1
Minnesota.....	2	2	3	-	-	-	-	1	-	-	-	1
Iowa.....	-	-	-	-	-	-	-	-	-	-	-	-
Missouri.....	-	-	1	-	-	-	-	-	-	-	-	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	4	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	1	-	5	-	2	1	11	4	2	1	8	3
Delaware.....	-	-	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia.....	-	-	1	-	1	-	1	-	1	-	1	-
North Carolina.....	-	-	-	-	1	-	5	2	1	-	2	2
South Carolina.....	-	-	-	-	-	-	1	-	-	-	1	-
Georgia.....	-	-	-	-	-	-	1	1	-	-	1	-
Florida.....	1	-	4	-	-	1	3	1	-	1	3	1
EAST SOUTH CENTRAL...	1	3	-	-	-	-	1	3	-	-	-	2
Kentucky.....	-	2	-	-	-	-	-	-	-	-	-	-
Tennessee.....	-	1	-	-	-	-	1	1	-	-	-	1
Alabama.....	1	-	-	-	-	-	-	2	-	-	-	1
Mississippi.....	-	-	-	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL...	1	2	3	-	-	-	2	9	-	-	1	9
Arkansas.....	1	-	-	-	-	-	-	-	-	-	-	-
Louisiana.....	-	-	1	-	-	-	-	8	-	-	-	8
Oklahoma.....	-	-	-	-	-	-	-	-	-	-	-	-
Texas.....	-	2	2	-	-	-	2	1	-	-	1	1
MOUNTAIN.....	1	1	-	1	-	-	2	1	-	-	1	1
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	1	-	-	-	1
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	1	-	-	-	-	-	1	-	-	-	1	-
New Mexico.....	-	-	-	-	-	-	1	-	-	-	-	-
Arizona.....	-	1	-	-	-	-	-	-	-	-	-	-
Utah.....	-	-	-	1	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	7	8	4	9	-	-	-	9	-	-	-	8
Washington.....	1	2	3	-	-	-	-	1	-	-	-	1
Oregon.....	-	1	-	-	-	-	-	1	-	-	-	1
California.....	5	5	1	9	-	-	-	7	-	-	-	6
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	1	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	2	-	-	-	2

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

APRIL 18, 1964 AND APRIL 20, 1963 (16th WEEK) · Continued

Area	Brucellosis		Diphtheria		Infectious Hepatitis including Serum Hepatitis						Typhoid Fever	
		Cum.		Cum.	Total	Under 20 years	20 years and over	Age Unknown	Cumulative			Cum.
	1964	1964	1964	1964	1964	1964	1964	1964	1964	1963	1964	1964
UNITED STATES...	15	120	10	65	825	386	371	68	14,566	16,334	8	103
NEW ENGLAND.....	-	1	-	4	74	30	40	4	1,563	1,942	-	7
Maine.....	-	-	-	1	27	12	13	2	553	900	-	-
New Hampshire.....	-	-	-	-	2	1	1	-	123	134	-	-
Vermont.....	-	-	-	-	10	9	1	-	193	27	-	-
Massachusetts.....	-	1	-	3	20	4	15	1	310	570	-	4
Rhode Island.....	-	-	-	-	1	1	-	-	69	48	-	3
Connecticut.....	-	-	-	-	14	3	10	1	315	263	-	-
MIDDLE ATLANTIC.....	-	2	-	4	223	92	131	-	3,315	3,170	1	18
New York City.....	-	-	-	1	33	11	22	-	472	400	1	6
New York, Up-State.	-	1	-	-	82	46	36	-	1,466	1,422	-	4
New Jersey.....	-	-	-	2	40	9	31	-	600	491	-	-
Pennsylvania.....	-	1	-	1	68	26	42	-	777	857	-	8
EAST NORTH CENTRAL...	1	16	-	6	124	70	44	10	2,176	2,582	1	22
Ohio.....	-	-	-	-	43	26	14	3	589	766	1	15
Indiana.....	-	1	-	-	15	9	5	1	184	229	-	3
Illinois.....	1	11	-	6	14	5	9	-	336	558	-	3
Michigan.....	-	2	-	-	35	21	14	-	928	894	-	1
Wisconsin.....	-	2	-	-	17	9	2	6	139	135	-	-
WEST NORTH CENTRAL...	13	68	1	10	39	18	10	11	855	720	1	10
Minnesota.....	-	2	-	2	3	-	3	-	68	118	-	-
Iowa.....	12	39	-	-	5	1	4	-	124	121	-	3
Missouri.....	-	4	-	-	8	4	3	1	208	298	1	3
North Dakota.....	1	2	-	-	1	1	-	-	36	19	-	-
South Dakota.....	-	10	1	1	-	-	-	-	86	26	-	1
Nebraska.....	-	10	-	-	-	-	-	-	18	56	-	-
Kansas.....	-	1	-	7	22	12	-	10	315	82	-	3
SOUTH ATLANTIC.....	-	6	6	17	90	44	44	2	1,444	1,746	4	24
Delaware.....	-	-	-	-	1	-	1	-	31	25	-	-
Maryland.....	-	-	-	-	12	5	7	-	272	193	1	1
Dist. of Columbia..	-	-	-	-	-	-	-	-	26	57	-	-
Virginia.....	-	2	-	-	11	1	8	2	216	389	1	5
West Virginia.....	-	-	-	-	19	12	7	-	256	254	-	-
North Carolina.....	-	1	-	-	25	16	9	-	274	471	-	9
South Carolina.....	-	-	-	3	7	4	3	-	49	76	-	2
Georgia.....	-	2	6	12	2	1	1	-	33	70	1	1
Florida.....	-	1	-	2	13	5	8	-	287	211	1	6
EAST SOUTH CENTRAL...	1	6	-	4	45	36	9	-	1,012	1,674	1	11
Kentucky.....	1	2	-	-	15	14	1	-	444	504	1	6
Tennessee.....	-	-	-	1	18	14	4	-	348	656	-	4
Alabama.....	-	3	-	2	8	4	4	-	141	250	-	1
Mississippi.....	-	1	-	1	4	4	-	-	79	264	-	-
WEST SOUTH CENTRAL...	-	5	3	13	54	32	17	5	1,046	1,110	-	6
Arkansas.....	-	1	-	-	6	5	1	-	121	133	-	3
Louisiana.....	-	1	1	3	13	8	5	-	216	206	-	-
Oklahoma.....	-	1	-	-	5	5	-	-	67	61	-	3
Texas.....	-	2	2	10	30	14	11	5	642	710	-	-
MOUNTAIN.....	-	10	-	1	51	13	5	33	971	1,145	-	-
Montana.....	-	-	-	-	6	1	1	4	91	172	-	-
Idaho.....	-	-	-	-	5	-	-	5	73	164	-	-
Wyoming.....	-	-	-	-	1	-	1	-	33	19	-	-
Colorado.....	-	-	-	-	21	5	-	16	303	242	-	-
New Mexico.....	-	1	-	1	8	5	3	-	154	139	-	-
Arizona.....	-	1	-	-	8	-	-	8	205	255	-	-
Utah.....	-	7	-	-	2	2	-	-	84	145	-	-
Nevada.....	-	1	-	-	-	-	-	-	28	9	-	-
PACIFIC.....	-	6	-	6	125	51	71	3	2,184	2,245	-	5
Washington.....	-	-	-	6	17	8	7	2	229	378	-	1
Oregon.....	-	1	-	-	20	14	5	1	235	321	-	-
California.....	-	5	-	-	85	27	58	-	1,605	1,484	-	4
Alaska.....	-	-	-	-	2	2	-	-	67	49	-	-
Hawaii.....	-	-	-	-	1	-	1	-	48	13	-	-
Puerto Rico	-	-	-	3	18	12	6	-	212	219	1	6

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

APRIL 18, 1964 AND APRIL 20, 1963 (16th WEEK) - Continued

Area	Measles	Meningococcal Meningitis			Streptococcal Sore Throat and Scarlet Fever		Tetanus		Tularemia		Rabies in Animals	
			Cumulative					Cum.		Cum.		Cum.
	1964	1964	1964	1963	1964	1963	1964	1964	1964	1964	1964	1964
UNITED STATES...	29,671	69	970	944	10,452	7,408	5	60	2	78	111	1,361
NEW ENGLAND.....	801	3	29	67	1,185	969	-	-	-	-	3	7
Maine.....	134	-	2	10	46	10	-	-	-	-	3	5
New Hampshire.....	7	-	-	2	3	10	-	-	-	-	-	1
Vermont.....	88	-	1	2	3	1	-	-	-	-	-	1
Massachusetts.....	254	-	13	31	242	119	-	-	-	-	-	-
Rhode Island.....	139	-	2	6	127	70	-	-	-	-	-	-
Connecticut.....	179	3	11	16	764	759	-	-	-	-	-	-
MIDDLE ATLANTIC.....	2,980	3	93	120	542	443	2	3	-	-	4	29
New York City.....	819	-	17	15	27	51	-	-	-	-	-	-
New York, Up-State.	464	1	34	39	250	200	-	-	-	-	4	28
New Jersey.....	871	-	14	21	104	126	2	2	-	-	-	-
Pennsylvania.....	826	2	28	45	161	66	-	1	-	-	-	1
EAST NORTH CENTRAL...	6,671	11	154	155	1,650	1,118	-	5	-	8	12	142
Ohio.....	1,637	3	48	45	384	113	-	1	-	1	-	68
Indiana.....	1,785	3	28	18	318	144	-	1	-	-	-	8
Illinois.....	853	2	31	25	192	256	-	2	-	5	9	33
Michigan.....	1,441	2	34	48	472	379	-	1	-	1	-	12
Wisconsin.....	955	1	13	19	284	226	-	-	-	1	3	21
WEST NORTH CENTRAL...	4,274	5	55	58	488	300	-	3	-	21	36	438
Minnesota.....	24	-	10	10	25	23	-	-	-	1	11	131
Iowa.....	3,740	1	3	2	221	50	-	1	-	1	13	152
Missouri.....	194	4	30	25	15	15	-	2	-	13	3	79
North Dakota.....	234	-	3	1	156	151	-	-	-	-	-	20
South Dakota.....	-	-	-	3	4	2	-	-	-	-	5	39
Nebraska.....	82	-	4	14	2	-	-	-	-	-	1	9
Kansas.....	NN	-	5	3	65	59	-	-	-	6	3	8
SOUTH ATLANTIC.....	2,828	23	220	192	1,218	584	2	24	1	14	18	214
Delaware.....	34	-	2	1	11	10	-	-	-	-	-	-
Maryland.....	144	2	17	27	184	41	1	2	-	-	-	-
Dist. of Columbia..	15	-	7	3	8	-	-	-	-	-	-	-
Virginia.....	970	4	22	49	308	178	-	2	-	3	9	149
West Virginia.....	515	1	17	10	392	145	-	-	-	-	3	11
North Carolina.....	193	4	37	30	77	63	-	7	1	4	-	2
South Carolina.....	302	5	34	12	42	13	-	3	-	-	-	-
Georgia.....	5	1	18	11	13	1	-	1	-	7	5	26
Florida.....	650	6	66	49	183	133	1	9	-	-	1	26
EAST SOUTH CENTRAL...	2,780	4	99	79	1,657	1,156	1	9	-	16	23	214
Kentucky.....	869	-	31	20	161	147	-	1	-	1	3	28
Tennessee.....	1,394	2	36	34	1,383	978	1	4	-	11	18	178
Alabama.....	373	-	17	12	13	13	-	3	-	3	2	8
Mississippi.....	144	2	15	13	100	18	-	1	-	1	-	-
WEST SOUTH CENTRAL...	5,264	10	87	105	758	684	-	8	1	15	11	214
Arkansas.....	63	1	8	5	11	1	-	2	-	3	7	53
Louisiana.....	3	6	71	46	1	3	-	3	-	-	2	22
Oklahoma.....	94	-	3	19	50	86	-	-	1	11	2	24
Texas.....	5,104	3	5	35	696	594	-	3	-	1	-	115
MOUNTAIN.....	901	1	37	32	1,576	1,130	-	2	-	4	-	50
Montana.....	92	-	-	1	130	92	-	-	-	1	-	-
Idaho.....	66	-	1	1	159	161	-	-	-	-	-	-
Wyoming.....	24	-	1	1	5	14	-	1	-	1	-	-
Colorado.....	163	1	8	7	622	390	-	-	-	-	-	-
New Mexico.....	39	-	18	2	235	238	-	1	-	-	-	25
Arizona.....	372	-	2	6	171	147	-	-	-	-	-	25
Utah.....	102	-	1	11	254	87	-	-	-	2	-	-
Nevada.....	43	-	6	3	-	1	-	-	-	-	-	-
PACIFIC.....	3,172	9	196	136	1,378	1,024	-	6	-	-	4	53
Washington.....	1,263	-	16	12	428	371	-	-	-	-	-	-
Oregon.....	365	1	12	6	45	28	-	-	-	-	-	-
California.....	1,507	7	157	112	798	536	-	6	-	-	4	53
Alaska.....	1	1	6	4	7	54	-	-	-	-	-	-
Hawaii.....	36	-	5	2	100	35	-	-	-	-	-	-
Puerto Rico	238	1	12	4	7	34	1	20	-	-	-	6

Table 4 (D). TOTAL DEATHS AMONG PERSONS 65 YEARS AND OVER IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)°

Area	For weeks ending			
	3/28	4/4	4/11	4/18
NEW ENGLAND:				
Boston, Mass.	103	172	155	156
Bridgeport, Conn.	21	20	25	28
Cambridge, Mass.	13	27	20	17
Fall River, Mass.	24	26	21	16
Hartford, Conn.	29	33	31	35
Lowell, Mass.	25	9	22	14
Lynn, Mass.	12	14	22	19
New Bedford, Mass.	25	18	15	25
New Haven, Conn.	20	30	26	39
Providence, R.I.	46	39	42	38
Somerville, Mass.	7	8	9	10
Springfield, Mass.	26	43	22	23
Waterbury, Conn.	14	22	16	19
Worcester, Mass.	33	33	41	35
MIDDLE ATLANTIC:				
Albany, N.Y.	27	25	27	27
Allentown, Pa.	20	25	24	13
Buffalo, N.Y.	80	95	90	92
Camden, N.J.	19	26	21	34
Elizabeth, N.J.	15	17	23	24
Erie, Pa.	32	37	22	25
Jersey City, N.J.	37	42	48	42
Newark, N.J.	52	47	50	48
New York City, N.Y.	923	928	1097	950
Paterson, N.J.	14	26	25	34
Philadelphia, Pa.	234	354	325	287
Pittsburgh, Pa.	109	88	84	100
Reading, Pa.	38	47	30	38
Rochester, N.Y.	57	68	54	64
Schenectady, N.Y.,	15	36	21	12
Scranton, Pa.	22	21	18	26
Syracuse, N.Y.	25	35	40	44
Trenton, N.J.	23	32	27	25
Utica, N.Y.	19	9	18	29
Yonkers, N.Y.	25	25	29	16
EAST NORTH CENTRAL:				
Akron, Ohio	24	33	34	25
Canton, Ohio	21	25	20	22
Chicago, Ill.	349	473	400	344
Cincinnati, Ohio	100	122	92	92
Cleveland, Ohio	106	116	132	132
Columbus, Ohio	60	65	80	59
Dayton, Ohio	57	52	53	36
Detroit, Mich.	207	202	197	181
Evansville, Ind.	18	21	32	31
Flint, Mich.	24	19	22	25
Fort Wayne, Ind.	18	27	30	28
Gary, Ind.	12	23	10	19
Grand Rapids, Mich.	31	19	40	29
Indianapolis, Ind.	89	82	93	77
Madison, Wis.	13	18	12	30
Milwaukee, Wis.	56	77	67	73
Peoria, Ill.	18	14	24	16
Rockford, Ill.	22	21	25	16
South Bend, Ind.	12	30	27	24
Toledo, Ohio	66	67	69	55
Youngstown, Ohio	32	34	40	42
WEST NORTH CENTRAL:				
Des Moines, Iowa	28	40	37	38
Duluth, Minn.	12	10	18	29
Kansas City, Kans.	28	14	15	19
Kansas City, Mo.	72	74	87	53
Lincoln, Nebr.	16	31	17	17
Minneapolis, Minn.	82	113	84	92
Omaha, Nebr.	54	47	34	44
St. Louis, Mo.	159	140	127	135
St. Paul, Minn.	45	62	68	46
Wichita, Kans.	23	26	39	31
SOUTH ATLANTIC:				
Atlanta, Ga.	52	59	46	62
Baltimore, Md.	106	143	144	135
Charlotte, N.C.	18	17	21	14
Jacksonville, Fla.	39	42	28	37
Miami, Fla.	46	45	43	47
Norfolk, Va.	28	23	17	34
Richmond, Va.	46	49	37	47
Savannah, Ga.	14	17	14	22
St. Petersburg, Fla.	70	69	62	66
Tampa, Fla.	54	33	41	38
Washington, D.C.	97	101	111	95
Wilmington, Del.	16	25	20	17
EAST SOUTH CENTRAL:				
Birmingham, Ala.	45	48	41	50 *
Chattanooga, Tenn.	27	19	16	23
Knoxville, Tenn.	15	24	23	28
Louisville, Ky.	66	54	65	75 *
Memphis, Tenn.	57	56	73	61
Mobile, Ala.	23	20	30	11
Montgomery, Ala.	12	6	17	14
Nashville, Tenn.	51	40	54	75
WEST SOUTH CENTRAL:				
Austin, Tex.	26	15	21	23
Baton Rouge, La.	16	20	12	24
Corpus Christi, Tex.	8	10	7	10
Dallas, Tex.	67	76	59	78
El Paso, Tex.	12	22	25	14
Fort Worth, Tex.	33	35	32	53
Houston, Tex.	87	89	63	81
Little Rock, Ark.	39	30	23	33
New Orleans, La.	94	100	85	75
Oklahoma City, Okla.	40	64	37	44
San Antonio, Tex.	45	59	63	56
Shreveport, La.	33	32	22	28
Tulsa, Okla.	43	22	45	22
MOUNTAIN:				
Albuquerque, N. Mex.	18	22	16	13
Colorado Springs, Colo.	13	13	13	16
Denver, Colo.	76	66	69	72
Ogden, Utah.	8	7	10	8
Phoenix, Ariz.	66	57	59	60
Pueblo, Colo.	16	6	8	7
Salt Lake City, Utah.	34	35	32	34
Tucson, Ariz.	28	28	27	40
PACIFIC:				
Berkeley, Calif.	13	20	7	6
Fresno, Calif.	25	23	28	30
Glendale, Calif.	26	37	31	25
Honolulu, Hawaii	18	29	25	19 *
Long Beach, Calif.	44	57	50	41
Los Angeles, Calif.	345	348	277	261
Oakland, Calif.	67	76	53	64
Pasadena, Calif.	19	27	22	22
Portland, Oreg.	78	66	99	67
Sacramento, Calif.	62	46	50	32
San Diego, Calif.	80	69	60	65
San Francisco, Calif.	127	121	130	121
San Jose, Calif.	40	41	36	34
Seattle, Wash.	103	78	78	82
Spokane, Wash.	45	53	38	49
Tacoma, Wash.	37	33	16	28
San Juan, P.R.	3	12	10	---

*Estimate - based on average percent of divisional total.
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

°Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages	11,661
4(B) Pneumonia-Influenza Deaths, all ages	501
4(C) Total Deaths under 1 Year of Age	670
4(D) Total Deaths, Persons 65 years and over	6,560

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INTERNATIONAL NOTES – QUARANTINE MEASURES

Immunization Information for International Travel
1963-64 edition – Public Health Service Publication No. 384

SECTION 5 – EUROPE

Netherlands, page 60

Insert:

Smallpox – And from all countries in Africa, Asia, and America (except Canada and the United States of America).

All other information remains the same.

Poland, page 60

Insert the information under **REQUIRED**:

Smallpox—Except: (a) children under 3 months who have not been in an infected local area during the 14 days preceding arrival; (b) travellers arriving directly from the following countries, provided they have been resident there for a period of 14 days, and these countries are free from smallpox: USSR (the whole territory), all European countries, Canada and the United States of America.

In addition to the established procedures for reporting morbidity and mortality, the Communicable Disease Center welcomes accounts of interesting outbreaks or cases. Such accounts should be addressed to:

Lawrence K. Altman, M.D., Editor
Morbidity and Mortality Weekly Report
Communicable Disease Center
Atlanta, Georgia 30333

Notes: These provisional data are based on weekly telegrams to the Communicable Disease Center by the individual State health departments.
Symbols: ... Data not available
Quantity zero
Procedures for construction of various mortality curves may be obtained from Statistics Section, Communicable Disease Center, Public Health Service, U. S. Department of Health, Education, and Welfare, Atlanta, Georgia 30333.

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